

Forestland Productivity and Management
Alcona County, Michigan

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.)

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
11B: Eastport-----	Slight	Well suited	Slight	Low	Eastern white pine-- Jack pine----- Paper birch----- Quaking aspen----- Red maple----- Red pine-----	--- --- --- --- 47	--- --- --- --- 69	Eastern white pine, jack pine, red pine.
12B: Tawas-----	Slight	Well suited	Severe Wetness	High Wetness	Balsam fir----- Black ash----- Northern white-cedar Quaking aspen----- Red maple-----	40 --- --- --- ---	71 --- --- --- ---	---
Au Gres-----	Slight	Well suited	Moderate Wetness	High Wetness	Balsam fir----- Bigtooth aspen----- Eastern hemlock----- Eastern white pine-- Jack pine----- Northern white-cedar Paper birch----- Quaking aspen----- Red maple----- Yellow birch-----	--- --- --- 51 --- --- 70 65 ---	--- --- --- 72 --- --- 86 43 ---	Norway spruce, eastern white pine, red pine, white spruce.
16B: Graycalm-----	Slight	Well suited	Slight	Low	Bigtooth aspen----- Eastern white pine-- Jack pine----- Northern red oak---- Paper birch----- Quaking aspen----- Red pine-----	70 --- 56 62 --- 60 61	86 --- 86 57 --- 57 100	Eastern white pine, red pine.
16C: Graycalm-----	Slight	Well suited	Slight	Low	Bigtooth aspen----- Eastern white pine-- Jack pine----- Northern red oak---- Paper birch----- Quaking aspen----- Red pine-----	70 --- 56 62 --- 60 61	86 --- 86 57 --- 57 100	Eastern white pine, red pine.
16D:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Graycalm-----	Moderate	Poorly suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
	Slope/erodibility	Slope			Eastern white pine--	---	---	
					Jack pine-----	56	86	
					Northern red oak----	62	57	
					Paper birch-----	---	---	
					Quaking aspen-----	60	57	
16E: Graycalm-----	Moderate	Poorly suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
	Slope/erodibility	Slope			Eastern white pine--	---	---	
					Jack pine-----	56	86	
					Northern red oak----	62	57	
					Paper birch-----	---	---	
					Quaking aspen-----	60	57	
17B: Croswell-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	69	86	Eastern white pine, red pine, white spruce.
					Black cherry-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	53	72	
					Northern red oak----	---	---	
					Paper birch-----	54	57	
18A: Au Gres-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness	Wetness	Bigtooth aspen-----	---	---	
					Eastern hemlock----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	51	72	
					Northern white-cedar	---	---	
19: Leafriver-----	Slight	Well suited	Severe Wetness	High Wetness	Paper birch-----	---	---	---
					Quaking aspen-----	70	86	
					Red maple-----	65	43	
					Yellow birch-----	---	---	
					Black spruce-----	---	---	
					Northern white-cedar	---	---	
26B:					Quaking aspen-----	45	29	
					Tamarack-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Cublake-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, jack pine, red pine.
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	---	---	
					Northern pin oak----	---	---	
					Northern red oak----	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	---	---	
					Red pine-----	60	100	
27A: Tacoda-----	Slight	Well suited	Moderate	High	Eastern white pine--	---	---	Eastern white pine, red pine, white spruce.
			Wetness	Wetness	Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red pine-----	58	100	
28B: East Lake-----	Slight	Well suited	Slight	Low	Jack pine-----	---	---	Eastern white pine, jack pine, red pine.
					Northern red oak----	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	53	29	
					Red pine-----	55	86	
28C: East Lake-----	Slight	Well suited	Slight	Low	Jack pine-----	---	---	Eastern white pine, jack pine, red pine.
					Northern red oak----	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	53	29	
					Red pine-----	55	86	
28E: East Lake-----	Moderate	Poorly suited	Slight	Low	Jack pine-----	---	---	Eastern white pine, jack pine, red pine.
	Slope/erodibility	Slope			Northern red oak----	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	53	29	
					Red pine-----	55	86	
29A: Battlefield---	Slight	Well suited	Moderate Wetness	High Wetness	Balsam fir-----	---	---	White spruce.
					Paper birch-----	---	---	
					Quaking aspen-----	68	72	
					Red maple-----	---	---	
					Sugar maple-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
30: Wheatley-----	Slight	Well suited	Severe	High	Balsam fir-----	40	71	Norway spruce, eastern white pine, white spruce.
			Wetness	Wetness	Black spruce-----	15	29	
					Eastern hemlock-----	---	---	
					Northern white-cedar	15	43	
					Quaking aspen-----	45	29	
					Red maple-----	40	29	
31B: Klacking-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
					Black cherry-----	---	---	
					Northern red oak----	60	57	
					Red maple-----	---	---	
					White oak-----	57	43	
31C: Klacking-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
					Black cherry-----	---	---	
					Northern red oak----	60	57	
					Red maple-----	---	---	
					White oak-----	57	43	
31D: Klacking-----	Moderate	Poorly suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
	Slope/erod ibility	Slope			Black cherry-----	---	---	
					Northern red oak----	60	57	
					Red maple-----	---	---	
					White oak-----	57	43	
31E: Klacking-----	Moderate	Poorly suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
	Slope/erod ibility	Slope			Black cherry-----	---	---	
					Northern red oak----	60	57	
					Red maple-----	---	---	
					White oak-----	57	43	
35: Kinross-----	Slight	Well suited	Severe Wetness	High Wetness	Balsam fir-----	---	---	---
					Black spruce-----	---	---	
					Jack pine-----	---	---	
					Northern white-cedar	---	---	
					Quaking aspen-----	45	29	
					Red maple-----	---	---	
					Tamarack-----	---	---	
36B:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Annalake-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
					Yellow birch-----	---	---	
36C: Annalake-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
					Yellow birch-----	---	---	
37A: Richter-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Eastern white pine, northern white-cedar, white spruce.
			Wetness	Wetness	Black ash-----	---	---	
					Eastern hemlock----	---	---	
					Paper birch-----	65	72	
					Quaking aspen-----	---	---	
					Red maple-----	65	43	
					Sugar maple-----	61	43	
38: Tonkey-----	Slight	Well suited	Severe Wetness	High Wetness	American basswood---	55	43	---
					American elm-----	---	---	
					Balsam fir-----	---	---	
					Northern white-cedar	---	---	
					Quaking aspen-----	61	72	
					Red maple-----	---	---	
					Swamp white oak----	---	---	
39B: Glennie-----	Slight	Well suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
					Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	
39C:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Glennie-----	Slight	Well suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
					Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	
40A: Sprinkler----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Eastern white pine, white spruce.
			Wetness	Wetness	Bigtooth aspen-----	---	---	
					Black ash-----	---	---	
					Eastern white pine--	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	60	43	
41B: Mcginn-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	---	---	Red pine, white spruce.
					Northern red oak----	67	57	
					Red pine-----	---	---	
					White oak-----	65	57	
41C: Mcginn-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	---	---	Red pine, white spruce.
					Northern red oak----	67	57	
					Red pine-----	---	---	
					White oak-----	65	57	
41D: Mcginn-----	Moderate	Poorly suited	Slight	Low	Bigtooth aspen-----	---	---	Red pine, white spruce.
	Slope/erodibility	Slope			Northern red oak----	67	57	
					Red pine-----	---	---	
					White oak-----	65	57	
42A: Killmaster----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, white ash, white spruce.
			Wetness		Balsam fir-----	---	---	
					Bigtooth aspen-----	60	57	
					Northern red oak----	---	---	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	
					White spruce-----	---	---	
43:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Wakeley-----	Slight	Well suited	Severe	High	Balsam fir-----	---	---	Northern white-cedar.
			Wetness	Wetness	Black spruce-----	---	---	
					Northern white-cedar	---	---	
					Quaking aspen-----	50	43	
44B: Ossineke-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness		American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
45B: Hoist-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					Balsam fir-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak-----	74	72	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	66	43	
					White ash-----	---	---	
45C: Hoist-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					Balsam fir-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak-----	74	72	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	66	43	
					White ash-----	---	---	
46: Ensley-----	Slight	Well suited	Severe	High	Balsam fir-----	60	114	Green ash, white spruce.
			Wetness	Wetness	Black ash-----	---	---	
					Red maple-----	62	43	
					White ash-----	---	---	
					White spruce-----	---	---	
					Yellow birch-----	---	---	
53B:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Negwegon-----	Slight	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, white spruce.
		Stickiness	Wetness		Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Sugar maple-----	62	43	
53C: Negwegon-----	Slight	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, white spruce.
		Stickiness	Wetness		Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Sugar maple-----	62	43	
54A: Algonquin-----	Slight	Poorly suited	Moderate	High	Balsam fir-----	45	86	Eastern white pine, northern white-cedar, white spruce.
		Stickiness	Wetness	Wetness	Balsam poplar-----	---	---	
					Black ash-----	---	---	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
55: Springport----	Slight	Poorly suited	Severe	High	Balsam fir-----	45	86	Eastern white pine, northern white-cedar, white spruce.
		Stickiness	Wetness	Wetness	Black ash-----	---	---	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
56B: Nester-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Black cherry-----	---	---	
					Northern red oak-----	---	---	
					Quaking aspen-----	---	---	
					Sugar maple-----	61	43	
56C:					White ash-----	---	---	
					White oak-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Nester-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Black cherry-----	---	---	
					Northern red oak----	---	---	
					Quaking aspen-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
					White oak-----	---	---	
57B: Kawkawlin----	Slight	Well suited	Moderate	High	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness	Wetness	Bigtooth aspen-----	---	---	
					Northern red oak----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	---	---	
					Sugar maple-----	60	43	
					Swamp white oak-----	---	---	
					White ash-----	---	---	
59B: Algonquin----	Slight	Poorly suited	Moderate	High	Balsam fir-----	45	86	Eastern white pine, northern white-cedar, white spruce.
		Stickiness	Wetness	Wetness	Balsam poplar-----	---	---	
					Black ash-----	---	---	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	---	---	
Springport----	Slight	Poorly suited	Severe	High	Balsam fir-----	45	86	Eastern white pine, northern white-cedar, white spruce.
		Stickiness	Wetness	Wetness	Black ash-----	---	---	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
60D: Glennie, Well Drained----	Moderate	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
	Slope/erodibility	Slope			Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	
60E:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Glennie, Well Drained-----	Moderate	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
61C: Manistee-----	Slight	Well suited	Slight	Low	White ash-----	---	---	Eastern white pine, red pine.
					American basswood---	---	---	
					Bigtooth aspen-----	74	86	
					Eastern hemlock-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	56	43	
					Red maple-----	---	---	
61D: Manistee-----	Moderate	Poorly suited	Slight	Low	Red pine-----	---	---	Eastern white pine, red pine.
					Sugar maple-----	67	43	
					White ash-----	---	---	
					American basswood---	---	---	
					Bigtooth aspen-----	74	86	
					Eastern hemlock-----	---	---	
					Eastern white pine--	---	---	
61F: Manistee-----	Slope/erod ibility	Slope			Northern red oak----	56	43	Eastern white pine, red pine.
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	67	43	
					White ash-----	---	---	
					American basswood---	---	---	
					Bigtooth aspen-----	74	86	
62A:	Severe	Poorly suited	Slight	Low	Eastern hemlock-----	---	---	Eastern white pine, red pine.
					Eastern white pine--	---	---	
					Northern red oak----	56	43	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	67	43	
					White ash-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Allendale-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Eastern white pine, white spruce.
			Wetness	Wetness	Eastern white pine--	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	60	57	
					Red maple-----	---	---	
					White ash-----	---	---	
					White spruce-----	---	---	
63C: Bamfield-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
63D: Bamfield-----	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
63F: Bamfield-----	Severe	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
66D:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Alcona-----	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
66E: Alcona-----	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
68: Rondeau-----	Slight	Unsuited Wetness	Severe Wetness	High Wetness		---		---
	Slight	Well suited	Severe Wetness	High Wetness	Balsam fir-----	---	---	
					Black spruce-----	15	29	
					Tamarack-----	---	---	
					Balsam fir-----	46	86	
					Black ash-----	---	---	
					Black spruce-----	20	29	
					Northern white-cedar	---	---	
70: Lupton-----	Slight	Well suited	Severe Wetness	High Wetness	Paper birch-----	---	---	---
	Slight	Well suited	Severe Wetness	High Wetness	Quaking aspen-----	---	---	
					Red maple-----	---	---	
					Tamarack-----	---	---	
					White spruce-----	---	---	
					Balsam fir-----	40	71	
					Black ash-----	---	---	
					Northern white-cedar	---	---	
71: Tawas-----	Slight	Well suited	Severe Wetness	High Wetness	Quaking aspen-----	---	---	---
	Slight	Well suited	Severe Wetness	High Wetness	Red maple-----	---	---	
72:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Dorval-----	Slight	Well suited	Severe	High	American elm-----	---	---	Northern white-cedar, white spruce.
			Wetness	Wetness	Northern white-cedar	---	---	
					Red maple-----	50	29	
					White ash-----	---	---	
73: Markey-----	Slight	Well suited	Severe Wetness	High Wetness	Balsam fir-----	---	---	---
					Black ash-----	---	---	
					Black spruce-----	---	---	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	45	29	
					Red maple-----	---	---	
					Tamarack-----	---	---	
					White spruce-----	---	---	
74C2: Negwegon-----	Slight	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, white spruce.
		Stickiness	Wetness		Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Sugar maple-----	62	43	
					White ash-----	---	---	
77: Rollaway-----	Slight	Well suited	Moderate Wetness	High Wetness	Balsam fir-----	40	71	---
					Black ash-----	35	29	
					Black spruce-----	---	---	
					Northern white-cedar	30	43	
					Quaking aspen-----	40	29	
					Red maple-----	---	---	
78: Pits-----	Not rated	Not rated	Not rated	Not rated Horizon table contains no data		---		---
80F: Zimmerman-----	Severe	Unsuited	Slight	Low	Jack pine-----	65	100	Eastern white pine, jack pine, red pine, white spruce.
	Slope/erodibility	Slope			Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	---	---	
					Red pine-----	64	114	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Alcona-----	Severe	Unsuited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
	Slope/erodibility	Slope			American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
					Yellow birch-----	---	---	
81B: Grayling-----	Slight	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
					Northern pin oak----	43	29	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					White oak-----	---	---	
81C: Grayling-----	Slight	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
					Northern pin oak----	43	29	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					White oak-----	---	---	
81E: Grayling-----	Moderate	Poorly suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
	Slope/erodibility	Slope			Northern pin oak----	43	29	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					White oak-----	---	---	
82C: Udorthents----	Slight	Well suited	Slight	Low		---		---
83B: Udipsamments--	Slight	Well suited	Slight	Low		---		---
83F: Udipsamments--	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erodibility	Slope						
84B:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Zimmerman----	Slight	Well suited	Slight	Low	Jack pine-----	65	100	Eastern white pine, jack pine, red pine, white spruce.
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	---	---	
					Red pine-----	64	114	
84C: Zimmerman----	Slight	Well suited	Slight	Low	Jack pine-----	65	100	Eastern white pine, jack pine, red pine, white spruce.
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	---	---	
					Red pine-----	64	114	
84D: Zimmerman----	Moderate	Poorly suited	Slight	Low	Jack pine-----	65	100	Eastern white pine, jack pine, red pine, white spruce.
	Slope/erodibility	Slope			Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	---	---	
					Red pine-----	64	114	
85B: Zimmerman----	Slight	Well suited	Slight	Low	Jack pine-----	65	100	Eastern white pine, jack pine, red pine, white spruce.
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	---	---	
					Red pine-----	64	114	
Annalake-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
					Yellow birch-----	---	---	
85D:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Zimmerman-----	Moderate	Well suited	Slight	Low	Jack pine-----	65	100	Eastern white pine, jack pine, red pine, white spruce.
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	---	---	
					Red pine-----	64	114	
Annalake-----	Moderate	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	---	---	
					Red maple-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
					Yellow birch-----	---	---	
86: Aquents-----	Slight	Unsuited Wetness	Severe Wetness	High Wetness		---	---	---
Histosols-----	Slight	Unsuited Wetness	Severe Wetness	High Wetness		---	---	---
87: Ausable-----	Slight	Well suited	Severe Wetness	High Wetness	Balsam poplar-----	---	---	---
					Black ash-----	---	---	
					Northern white-cedar	15	29	
					Paper birch-----	---	---	
88D: Hoist, Well Drained----	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine, white spruce.
	Slope/erodibility	Slope			American beech-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	74	72	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	66	43	
					White ash-----	---	---	
89F:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Bamfield-----	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
90B: Chinwhisker---	Slight	Unsuited Wetness	Severe Wetness	High Wetness	White ash-----	---	---	---
91E: Glennie, Well Drained-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, jack pine, white spruce.
					Jack pine-----	56	86	
					Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red maple-----	---	---	
91E: Glennie, Well Drained-----	Moderate	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
	Slope/erod ibility	Slope			Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak-----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
92B: Klacking-----	Slight	Unsuited Wetness	Severe Wetness	High Wetness	White ash-----	---	---	---
92B: Klacking-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
					Black cherry-----	---	---	
					Northern red oak-----	60	57	
					Red maple-----	---	---	
					White oak-----	57	43	
Mcgin--	Slight	Well suited	Slight	Low	Bigtooth aspen-----	---	---	Red pine, white spruce.
					Northern red oak-----	67	57	
					Red pine-----	---	---	
					White oak-----	65	57	
93B:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Tacoda-----	Slight	Well suited	Moderate	High	Eastern white pine--	---	---	Eastern white pine, red pine, white spruce.
			Wetness	Wetness	Paper birch-----	---	---	
					Quaking aspen-----	---	---	
					Red pine-----	58	100	
Wakeley-----	Slight	Well suited	Severe	High	Balsam fir-----	---	---	Northern white-cedar.
			Wetness	Wetness	Black spruce-----	---	---	
					Northern white-cedar	---	---	
					Quaking aspen-----	50	43	
94F: Klacking-----	Moderate	Poorly suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
	Slope/erodibility	Slope			Black cherry-----	---	---	
					Northern red oak----	60	57	
					Red maple-----	---	---	
					White oak-----	57	43	
Mcginn-----	Severe	Poorly suited	Slight	Low	Bigtooth aspen-----	---	---	Red pine, white spruce.
	Slope/erodibility	Slope			Northern red oak----	67	57	
					Red pine-----	---	---	
					White oak-----	65	57	
96D2: Monggo-----	Moderate	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, white spruce.
	Slope	Slope Stickiness			Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak----	---	---	
					Sugar maple-----	62	43	
					White ash-----	---	---	
97: Colonville----	Slight	Well suited	Moderate	Low	American basswood---	65	57	Norway spruce, eastern white pine, northern red oak, northern white-cedar, white spruce.
			Wetness		Balsam fir-----	61	114	
					Northern white-cedar	45	72	
					Quaking aspen-----	---	---	
					Red maple-----	61	43	
					Swamp white oak-----	66	43	
					White ash-----	65	57	
98C:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Graycalm, Pitted outwash-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	70	86	Eastern white pine, red pine.
					Eastern white pine--	---	---	
					Jack pine-----	56	86	
					Northern red oak----	62	57	
					Paper birch-----	---	---	
					Quaking aspen-----	60	57	
					Red pine-----	61	100	
102D: Curtisville---	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Black cherry-----	---	---	
					Northern red oak----	---	---	
					Quaking aspen-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
102E: Curtisville---	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Black cherry-----	---	---	
					Northern red oak----	---	---	
					Quaking aspen-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
102F: Curtisville---	Severe	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Black cherry-----	---	---	
					Northern red oak----	---	---	
					Quaking aspen-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
110D:					White oak-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant	
					Common trees	Site index	Volume of wood fiber*		
Mongo-----	Moderate	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, white spruce.	
	Slope	Slope Stickiness			Balsam fir-----	---	---		
					Bigtooth aspen-----	---	---		
					Eastern hemlock-----	---	---		
					Northern red oak-----	---	---		
					Sugar maple-----	62	43		
					White ash-----	---	---		
110F: Mongo-----	Severe	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, white spruce.	
	Slope	Slope Stickiness			Balsam fir-----	---	---		
					Bigtooth aspen-----	---	---		
					Eastern hemlock-----	---	---		
					Northern red oak-----	---	---		
					Sugar maple-----	62	43		
					White ash-----	---	---		
111B: Kellogg-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Eastern white pine, red pine.	
					Bigtooth aspen-----	74	86		
					Eastern hemlock-----	---	---		
					Eastern white pine--	---	---		
					Northern red oak----	56	43		
					Red maple-----	---	---		
					Red pine-----	---	---		
					Sugar maple-----	67	43		
					White ash-----	---	---		
209B: Grayling-----	Slight	Well suited	Slight	Low		---	---	---	
210B: Grayling-----	Slight	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.	
					Northern pin oak----	43	29		
					Quaking aspen-----	---	---		
					Red pine-----	---	---		
					White oak-----	---	---		
210C: Grayling-----	Moderate	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.	
					Northern pin oak----	43	29		
					Quaking aspen-----	---	---		
					Red pine-----	---	---		
					White oak-----	---	---		
210D: Grayling-----	Moderate	Poorly suited Slope	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.	
					Slope/erod ibility	Northern pin oak----	43		29
					Quaking aspen-----	---	---		
					Red pine-----	---	---		
					White oak-----	---	---		
211B:									

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Grayling-----	Slight	Well suited	Slight	Low		---		---
211C: Grayling-----	Moderate	Well suited	Slight	Low		---		---
212B: Grayling-----	Slight	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
					Northern pin oak----	43	29	
213B: Graycalm-----	Slight	Well suited	Slight	Low		---		---
213C: Graycalm-----	Moderate	Well suited	Slight	Low		---		---
215C: Typic Udipsamments	Moderate	Well suited	Slight	Low		---		---
220B: Typic Udipsamments	Slight	Well suited	Slight	Low		---		---
220C: Typic Udipsamments	Moderate	Well suited	Slight	Low		---		---
220D: Typic Udipsamments	Moderate	Poorly suited Slope/erod ibility	Slight	Low		---		---
220E: Typic Udipsamments	Severe	Unsuited	Slight	Low		---		---
		Slope/erod ibility						
221B: Typic Udipsamments	Slight	Well suited	Slight	Low		---		---
221C: Typic Udipsamments	Moderate	Well suited	Slight	Low		---		---
221D: Typic Udipsamments	Moderate	Poorly suited Slope/erod ibility	Slight	Low		---		---
222B:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Typic Udipsamments	Slight	Well suited	Slight	Low		---		---
223B: Graycalm-----	Slight	Well suited	Slight	Low		---		---
Grayling-----	Slight	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
					Northern pin oak----	43	29	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					White oak-----	---	---	
223C: Graycalm-----	Moderate	Well suited	Slight	Low		---		---
Grayling-----	Moderate	Well suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
					Northern pin oak----	43	29	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					White oak-----	---	---	
223D: Graycalm-----	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erod ibility	Slope						
Grayling-----	Moderate	Poorly suited	Slight	Low	Jack pine-----	48	57	Jack pine, red pine.
	Slope/erod ibility	Slope			Northern pin oak----	43	29	
					Quaking aspen-----	---	---	
					Red pine-----	---	---	
					White oak-----	---	---	
224B: Croswell-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	69	86	Eastern white pine, red pine, white spruce.
					Black cherry-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	53	72	
					Northern red oak----	---	---	
					Paper birch-----	54	57	
					Quaking aspen-----	68	72	
					Red maple-----	---	---	
					Red pine-----	55	86	
225B: Entic Haplorthods, Loamy substratum--	Slight	Well suited	Slight	Low		---		---
225C:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Entic Haplorthods, Loamy substratum--	Moderate	Well suited	Slight	Low		---		---
230C: Alfic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
Entic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
231B: Entic Haplorthods-	Slight	Well suited	Slight	Low		---		---
Alfic Haplorthods-	Slight	Well suited	Slight	Low		---		---
231C: Entic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
Alfic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
231D: Entic Haplorthods-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erodibility	Slope						
Alfic Haplorthods-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erodibility	Slope						
232B: Entic Haplorthods-	Slight	Well suited	Slight	Low		---		---
Alfic Haplorthods-	Slight	Well suited	Slight	Low		---		---
233B: Alfic Haplorthods-	Slight	Well suited	Slight	Low		---		---
Entic Haplorthods-	Slight	Well suited	Slight	Low		---		---
233C:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Alfic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
Entic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
233D: Alfic Haplorthods-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erod ibility	Slope						
Entic Haplorthods-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erod ibility	Slope						
235B: Alfic Haplorthods-	Slight	Well suited	Slight	Low		---		---
Alfic Haplorthods-	Slight	Well suited	Slight	Low		---		---
235C: Alfic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
Alfic Haplorthods-	Moderate	Well suited	Slight	Low		---		---
235D: Alfic Haplorthods-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erod ibility	Slope						
Alfic Haplorthods-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erod ibility	Slope						
236B: Arenic Hapludalfs--	Slight	Well suited	Slight	Low		---		---
236C: Arenic Hapludalfs--	Moderate	Well suited	Slight	Low		---		---
	Slope							
237B:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Typic Glossudalfs-	Slight	Well suited	Slight	Low		---		---
237C: Typic Glossudalfs-	Moderate	Well suited	Slight	Low		---		---
	Slope							
237D: Typic Glossudalfs-	Moderate	Poorly suited	Slight	Low		---		---
	Slope	Slope						
	Slope/erod ibility							
247B: Glennie-----	Slight	Well suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
					Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	
Ossineke-----	Slight	Well suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness		American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
247C: Glennie-----	Slight	Well suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
					Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Bamfield-----	Moderate	Well suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
					American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak-----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
247D: Glennie, Well Drained-----	Moderate	Poorly suited	Slight	Low	American beech-----	---	---	Eastern white pine, red pine, white spruce.
	Slope/erodibility	Slope			Balsam fir-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern white pine--	---	---	
					Northern red oak----	72	72	
					Paper birch-----	---	---	
					Red maple-----	---	---	
					White ash-----	---	---	
Bamfield-----	Moderate	Poorly suited	Slight	Low	American basswood---	---	---	Norway spruce, eastern white pine, red pine, white spruce.
	Slope/erodibility	Slope			American beech-----	---	---	
					Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Northern red oak----	---	---	
					Paper birch-----	---	---	
					Sugar maple-----	61	43	
					White ash-----	---	---	
250D: Typic Glossudalfs-	Moderate	Poorly suited	Slight	Low		---		---
	Slope/erodibility	Slope						
Haplosaprists, Euic-----	Slight	Well suited	Moderate	High		---		---
			Wetness	Wetness				
252A: Haplosaprists, Euic-----	Slight	Well suited	Moderate	High		---		---
			Wetness	Wetness				

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Au Gres-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness	Wetness	Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	51	72	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	65	43	
					Yellow birch-----	---	---	
253A: Au Gres-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness	Wetness	Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	51	72	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	65	43	
					Yellow birch-----	---	---	
Allendale----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Eastern white pine, white spruce.
			Wetness	Wetness	Eastern white pine--	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	60	57	
					Red maple-----	---	---	
					White ash-----	---	---	
					White spruce-----	---	---	
Croswell-----	Slight	Well suited	Slight	Low	Bigtooth aspen-----	69	86	Eastern white pine, red pine, white spruce.
					Black cherry-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	53	72	
					Northern red oak----	---	---	
					Paper birch-----	54	57	
					Quaking aspen-----	68	72	
					Red maple-----	---	---	
262A:					Red pine-----	55	86	

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Au Gres-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Norway spruce, eastern white pine, red pine, white spruce.
			Wetness	Wetness	Bigtooth aspen-----	---	---	
					Eastern hemlock-----	---	---	
					Eastern white pine--	---	---	
					Jack pine-----	51	72	
					Northern white-cedar	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	70	86	
					Red maple-----	65	43	
					Yellow birch-----	---	---	
263A: Argic Endoaquods--	Slight	Well suited	Moderate	Low		---		---
			Wetness					
264A: Allendale----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Eastern white pine, white spruce.
			Wetness	Wetness	Eastern white pine--	---	---	
					Paper birch-----	---	---	
					Quaking aspen-----	60	57	
					Red maple-----	---	---	
					White ash-----	---	---	
					White spruce-----	---	---	
272: Endoaquods----	Slight	Well suited	Moderate	High		---		---
			Wetness	Wetness				
Fluvaquents---	Slight	Well suited	Moderate	High		---		---
			Wetness	Wetness				
273: Leafriver-----	Slight	Well suited	Moderate	High	Black spruce-----	---	---	---
			Wetness	Wetness	Northern white-cedar	---	---	
					Quaking aspen-----	45	29	
					Tamarack-----	---	---	
Wakeley-----	Slight	Well suited	Moderate	High	Balsam fir-----	---	---	Northern white-cedar.
			Wetness	Wetness	Black spruce-----	---	---	
					Northern white-cedar	---	---	
					Quaking aspen-----	50	43	
274: Typic Endoaquods, WET-----	Slight	Well suited	Moderate	High		---		---
			Wetness	Wetness				
280:								

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Aquents-----	Slight	Unsuited Wetness	Severe Wetness	High Wetness		---		---
Histosols-----	Slight	Unsuited Wetness	Severe Wetness	High Wetness		---		---
281: Haplosaprists, Dysic-----	Slight	Well suited	Moderate Wetness	High Wetness	Black spruce-----	---	---	---
282: Haplosaprists, Euic-----	Slight	Well suited	Moderate Wetness	High Wetness		---		---
426B: Coppler-----	Slight	Well suited	Slight	Low	Eastern white pine-- Jack pine----- Northern red oak---- Red pine----- Sugar maple----- Yellow birch-----	--- --- --- 58 ---	--- --- --- 43 ---	Eastern white pine, jack pine, red pine.
426C: Coppler-----	Slight	Well suited	Slight	Low	Eastern white pine-- Jack pine----- Northern red oak---- Red pine----- Sugar maple----- Yellow birch-----	--- --- --- 58 ---	--- --- --- 43 ---	Eastern white pine, jack pine, red pine.
426D: Coppler-----	Moderate	Poorly suited	Slight	Low	Eastern white pine-- Jack pine----- Northern red oak---- Red pine----- Sugar maple----- Yellow birch-----	--- --- --- 58 ---	--- --- --- 43 ---	Eastern white pine, jack pine, red pine.
426E:	Slope/erod ibility	Slope						

*See footnote at end of table.

Forestland Productivity and Management--Continued

Map symbol and soil name	Erosion hazard potential	Site preparation limitations	Windthrow hazard potential	Potential Seedling Mortality	Potential productivity			Suggested trees to plant
					Common trees	Site index	Volume of wood fiber*	
Coppler-----	Moderate	Poorly suited	Slight	Low	Eastern white pine--	---	---	Eastern white pine, jack pine, red pine.
	Slope/erodibility	Slope			Jack pine-----	---	---	
					Northern red oak----	---	---	
					Red pine-----	---	---	
					Sugar maple-----	58	43	
					Yellow birch-----	---	---	

*See footnote at end of table.

Forestland Productivity and Management--Continued

ENDNOTE--FORESTLAND INTERPRETATIONS

The information in the above table can help forest owners or managers plan the use of soil for wood crops. They show the potential productivity of the soils for wood crops and rate the soils according to the limitations that affect various aspects of forest management.

The POTENTIAL PRODUCTIVITY of merchantable or COMMON TREES on a soil is expressed as a SITE INDEX and as a volume number. The site index is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even aged, unmanaged stands. Commonly grown trees are those that forest managers generally favor in intermediate or improvement cuttings. They are selected on the basis of growth rate, quality, value and marketability.

The VOLUME OF WOOD FIBER, a number, is the yield likely to be produced by the most important tree species. This number, expressed as cubic feet per acre per year and calculated at the age of culmination of the mean annual increment (CMAI), indicates the amount of fiber produced in a fully stocked, even aged, unmanaged stand.

TREES TO MANAGE are those that are preferred for planting, seeding, or natural regeneration and those that remain in the stand after thinning or partial harvest.

Interpretative ratings are given for various aspects of forest management. Some rating class terms indicate the degree to which the soils are suited to a specified forest management practice. Well suited indicates that the soil has features that are favorable for the specified practice and has no limitations. Good performance can be expected, and little or no maintenance is needed. Moderately suited indicates that the soil has features that are moderately favorable for the specified practice. One or more soil properties are less than desirable, and fair performance can be expected. Some maintenance is needed. Poorly suited indicates that the soil has one or more properties that are unfavorable for the specified practice. Overcoming the unfavorable properties requires special design, extra maintenance, and costly alteration. Unsited indicates that the expected performance of the soil is unacceptable for the specified practice or that extreme measures are needed to overcome the undesirable soil properties.

EROSION HAZARD POTENTIAL ratings are based on the soil erodibility factor K, slope, and content of rock fragments. The ratings apply to unsurfaced roads and trails. The hazard is described as slight, moderate, or severe. A rating of slight indicates that little or no erosion is likely; moderate indicates that some erosion is likely, that the roads or trails may require occasional maintenance; and that simple erosion-control measures are needed; and severe indicates that significant erosion is expected, that the roads or trails require frequent maintenance, and that costly erosion-control measures are needed.

SITE PREPARATION LIMITATIONS ratings are based on slope, depth to a restrictive layer, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsited to this management activity. The part of the soil from the surface to a depth of about 1 foot is considered in the ratings.

Ratings in the column WINDTHROW HAZARD POTENTIAL is the likelihood that trees will be uprooted by wind because the soil is not deep enough for adequate root anchorage. The main restrictions that affect rooting are a seasonal high water table and the depth to bedrock, a fragipan, or other limiting layers. A rating of slight indicates that under normal conditions no trees are blown down by the wind. Strong winds may damage trees, but they do not uproot them. A rating of moderate indicates that some trees can be blown down during periods when the soil is wet and winds are moderate or strong. A rating of severe indicates that many trees can be blown down during these periods.

POTENTIAL SEEDLING MORTALITY ratings are based on flooding, ponding, depth to a water table, content of lime, reaction, salinity, available water capacity, soil moisture regime, soil temperature regime, aspect, and slope. The soils are described as having a low, moderate, or high potential for seedling mortality.

*Volume is the yield in cubic feet per acre per year at the age of culmination of mean annual increment for fully stocked stands.